



# Carbon

**Carbon and Ecosystems** In any given year, tens of billions of tons of carbon, the building block of life, moves between the atmosphere, hydrosphere, biosphere, and geosphere. JPL satellite data enables scientific research of the carbon cycle and ecosystems by quantifying seasonal cycles of atmospheric CO<sub>2</sub> and other greenhouse gases. These missions play a role in determining how ecosystems are responding to climate change, and what their ability is to absorb increasing levels of CO<sub>2</sub>.

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